

Product datasheet for **MG202612**

Zc4h2 (NM_001003916) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zc4h2 (NM_001003916) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zc4h2
Synonyms:	Gm372; mKIAA1166
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202612 representing NM_001003916 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGATGAACAAGAAATCATGTGCAAATTGGAAAGCATTAAAGAGATCAGGAACAAGACTCTGCAGA
TGGAAAAGATCAAGGCCGTTTGAAGGCTGAGTTCGAGGCTCTGGAGTCTGAAGAGAGGCACCTGAAAGA
ATACAAACAGGAGATGGATCTCCTGCTACAGGAGAAGATGGCCCATGTGGAGGAACCTCCGACTCATCCAT
GCTGATATCAATGTGATGAAAAACACCATTAAACAGTCTGAAAAAGACTTAAACAAGCTGCTGGAGTCAA
CCCGGAGGCTTCATGATGAGTATAAACCCTGAAAGAACACGTGGATGCCCTGCGCATGACATTGGGCCT
GCAAAGGCTTCTGACCTGTGTGAAGAGGAAGAGAACTCTCCTTGGATTACTTTGAGAAGCAGAAAGCA
GAATGGCAGACTGAACCTCAAGAACCCCCATACCTGAATCCCTTGTCTGCTGCAGCTGCTGCTGCTCAAC
AACTCCAGGTGGCCAGGAAGCAGGACACAAGGCAGACAGCCACCTTCAGGCAGCAGCCTCCACCTATGAA
GGCCTGTTTGTGTCATGTCACCAACAGATTCATCGAAATGCACCTATATGCCCTCTTTGCAAAGCCAAGAGT
CGGTACGGAACCCCAAAAAGCCAAAACGGAAGCAAGATGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG202612 representing NM_001003916
Red=Cloning site Green=Tags(s)

MADEQEIMCKLESIKEIRNKTLQMEKIKARLKAFFEALSEERHLKEYKQEMDLLLQEKMAHVEELRLIH
 ADINVMENIKQSENDLNKLLLESTRRLHDEYKPLKEHVDALRMTLGLQRLPDLCEEEKLSLDYFEKQKA
 EWQTEPQEPIPESLAAAAAAQQLQVARKQDTRQTATFRQQPPPMKACLCHQQIHRNAPICPLCKAKS
 RSRNPKPKRKQDE

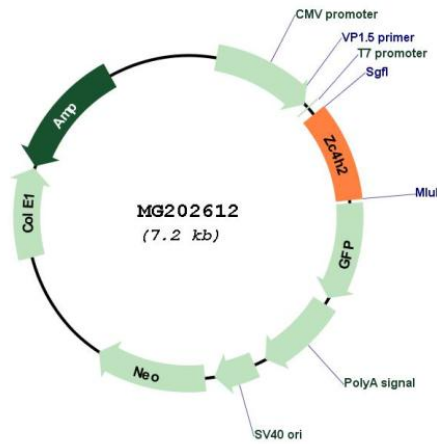
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001003916

ORF Size: 672 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001003916.2
RefSeq Size:	2168 bp
RefSeq ORF:	675 bp
Locus ID:	245522
UniProt ID:	Q68FG0
Cytogenetics:	X C3
Gene Summary:	Plays a role in interneurons differentiation. Involved in neuronal development and in neuromuscular junction formation.[UniProtKB/Swiss-Prot Function]